FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20);

DATE OF PREP

JULY 1983

Section I

MANUFACTURER'S NAME BOSTIK WEST/DIVISION OF USM CORPORATION/EMHART

STREET ADDRESS 20846 SOUTH NORMANDIE AVENUE CITY. STATE, AND ZIP CODE TORRANCE, CALIFORN

EMERGENCY TELEPHONE NO.

320-6800 (213)

PRODUCT CLASS EPOXY

DPM 110-7511 SEMI-GLOSS SUNLIGHT

TRADE NAME BOSTIK

MANUFACTURERS CODE IDENTIFICATION 453-3-121

CATALYST: CA-118

MIX RATIO: 3 parts 453-3-121 (base)

to 1 part CA-118 by volume.

CA 0988100

Section II — HAZARDOUS INGREDIENTS

INGREDIENT 453-3-121 (BASE ONLY)	CAS NO.	PERCENT (WT.)	PPM	TLV mg/M³	LEL	VAPOR PRESSURE
METHYL ETHYL KETONE CELLOSOLVE ACETATE N. BUTYL ACETATE TOLUENE XYLENE BUTYL CELLOSOLVE N. BUTYL ALCOHOL CHROMIUM COMPOUNDS AS: Cr Pb	78-93-3 111-15-9 123-86-4 108-88-3 1330-20-7 111-76-2 71-36-3 13765-19-0 17758-97-6	25-30 5-10 5-10 <5 <5 <5 <1 <0.01 <0.01	200 100 150 200 100 50 100	*0.05 *0.05	1.8 1.7 1.7 1.2 1.0 1.1 1.7	70 2 8 22 7 1 4
* OSHA, 8 hrs TWA						

Section III — PHYSICAL DATA

BOILING RANGE 176° - 340° F

VAPOR DENSITY

XX HEAVIER

LIGHTER, THAN AIR

FASTER XX SLOWER, THAN ETHER

PERCENT VOLATILE 68.2%

WEIGHT PER

9.9 1bs

Section IV — FIRE AND EXPLOSION HAZARD DATA

DOTCATEGORY RED LABEL, FLAMMABLE

(MIN.) 23°F TAG CLOSED CUP

1.0 LEL

EXTINGUISHING MEDIA

EXCLUDE AIR - USE FOAM, CO2, STEAM, WATER FOG, DRY CHEMICALS.

DO NOT USE WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS

VAPOR FORMS EXPLOSIVE MIXTURE WITH AIR BETWEEN

UPPER AND LOWER EXPLOSION LIMITS.

SPECIAL FIRE FIGHTING PROCEDURES

DO NOT USE WATER, EXCLUDE AIR, USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL.

Section V — HEALTH HAZARD DATA
THRESHOLDLIMIT VALUE: See Section II EFFECTS OF OVEREXPOSURE: Headache, nausea, dizziness. Breathing vapor will be irritating to nose, throat and eyes.
Emergency and first aid procedures: Skin Exposure: Wash affected area with soap & water. Eye Exposure; Flush with water for at least 15 minutes, consult physician. Ingestion: Consult physician immediately. Inhalation: Remove victim to fresh air, consult physician.
Section VI — REACTIVITY DATA
Incompatability (Materials to avoid): Strong oxidizing agents. Sparks and open flame. Hazardous Decomposition Products: On combustion CO, CO2, Aldehydes and other organics, lead fumes oxides of nitrogen. HAZARDOUS POLYMERIZATION MAYOCCUR XXX WILL NOT OCCUR
Section VII — SPILL OR LEAK PROCEDURES
Prevent liquid from entering sewers, water sources, or low areas. Keep unnecessary personnel away. Shut off source, if possible to do so without hazard. Contain spilled liquid with sawdust, sand or oil absorbing compound. Wash area with detergent & water. Consult disposal expert & ensure conformity with local regulations.
Section VIII — SPECIAL PROTECTION INFORMATION
RESPIRATORY PROTECTION: Use approved respiratory protection such as an air-supplied mask if used in non-ventilated area. Mechanical: Explosion-proof ventilation equipment. No smoking or open lights.
VENTILATION : Face velocity 60 fpm in confined area.
Protective gloves: Chemically resistant gloves. EYE PROTECTION: Chemical splash goggles or face shield. OTHER PROTECTIVE EQUIPMENT: Eye bath & safety shower.
Section IX — SPECIAL PRECAUTIONS
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING. Keep containers closed when not in use. Do Not handle or store near flame, heat or strong oxidants. Adequate ventilation required. Containers of this product may be hazardous when emptied - these containers retain product residues (vapor, liquid, other precautions
All handling equipment should be electrically grounded. Treat as a very flammable liquid.

FOR COATINGS, RESINS AND RELATED MATERIALS

SPECIAL FIRE FIGHTING PROCEDURES

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

DATE OF PREP JULY 1983	(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)									
Section I										
MANUFACTURER'S NAME BOSTIK W	EST/DIVIS	ION OF USM O	ORPORATION,	EMHART						
STREET ADDRESS 20846 SOUTH	NORMANDI	E AVENUE CIT	Y, STATE, AND ZIP	CODE TORR	ANCE, CALIFO	ORNIA 90	0502			
EMERGENCY TELEPHONE NO. (2)	13) 320-	6800								
PRODUCT CLASS EPOXY BA			MANU		DE IDENTIFICATIO	n 453-	3-110			
DPM 110-7510 CWALUS WHITE SERI- CATALYST: CA-118 GLOSS MIX RATIO: 3 parts 453-3-110 (base) to 1 part CA-118 by volume.										
Section II — HAZARDOUS INGREDIENTS										
INGREDIENT 453-3-110 (BASE ONLY) CAS NO. PERCENT TLV PPM mg/M³ LEL VAPOR PRESSURE										
METHYL ETHYL KETONE		78-93-3	15-20	200		1.8	70			
BUTYL ACETATE		123-86-4	5-10	150		1.7	. 8			
XYLENE		1330-20-7	< 5	100		1.0	7			
TOLUENE		108-88-3	4 5	200		1.2	22			
CELLOSOLVE ACETATE		111-15-9	∠ 5	100		1.7	2			
BUTYL CELLOSOLVE		111-76-2	< 5	50		1.1	1			
BUTYL ALCOHOL		71-36-3	人 1	100		1.7	4			
		Section III -	- PHYSICA	AL DATA						
BOILING HANGE 176° to 340°	F		VAPOR DE	NSITY XX	HEAVIER _	LIGHTER.	THAN AIR			
EVAPORATION RATE FASTER XX SLOWER, THAN ETHER PERCENT VOLATILE WEIGHT PER GALLON 10.2 1bs										
	Section I\	/ — FIRE AN	D EXPLOS	ION HAZ	ARD DATA					
DOT CATEGORY RED LABEL, FLAMMABLE (MIN.) 23° F TAG CLOSED CUP LEL 1.0										
EXCLUDE AIR - USE FOAM, CO ₂ , STEAM, WATER FOG, DRY CHEMICALS. DO NOT USE WATER.										
JNUSUAL FIRE AND EXPLOSION HAZARD	JNUSUAL FIRE AND EXPLOSION HAZARDS VAPOR FORMS EXPLOSIVE MIXTURE WITH AIR BETWEEN UPPER AND LOWER EXPLOSION LIMITS.									

DO NOT USE WATER, EXCLUDE AIR, USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL.

FOR COATINGS, RESINS AND RELATED MATERIALS

DATE OF PREP

JULY 1983

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

Section I

MANUFACTURER'S NAME BOSTIK WEST/DIVISION OF USM CORPORATION/EMHART

STREET ADDRESS 20846 SOUTH NORMANDIE AVENUE CITY. STATE, AND ZIP CODE TORRANCE, CALIFORNIA 90502

EMERGENCY TELEPHONE NO.

TRADE NAME BOSTIK

(213) 320-6800

PRODUCT CLASS EPOXY

PONY BASE

DPM 110-7244 DK BEIGE - SENI-GLOSS

MANUFACTURERS CODE IDENTIFICATION 453-3-112

CATALYST: CA-118

MIX RATIO: 3 part 453-3-112 (base)

to 1 part CA-118 by volume.

INGREDIENT 453-3-112 (BASE ONLY)	CAS NO.	PERCENT (WT.)	T PPM	LV mg/M³	LEL	VAPOR PRESSURE
METHYL ETHYL KETONE	78-93-3	20-25	200		1.8	70
CELLOSOLVE ACETATE	111-15-9	5-10	100		1.7	2
BUTYL ACETATE	123-86-4	5-10	150		1.7	8
TOLUENE	108-88-3	∢ 5	200		1.2	22
XYLENE	1330-20-7	∢ 5	100		1.0	7
BUTYL CELLOSOLVE	111-76-2	₹ 5	50		1.1	1
BUTYL ALCOHOL .	71-36-3	< 1	100		1.7	4
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Section III — PHYSICAL DATA

BOILING RANGE 176° to 340° F

VAPOR DENSITY

XX HEAVIER

LIGHTER, THAN AIR

EVAPORATION RATE

FASTER

XX SLOWER, THAN ETHER

PERCENT VOLATILE

64.7%

WEIGHT PER GALLON

10.0 lbs

Section IV — FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY RED LABEL, FLAMMABLE

(MIN.)
FLASH POINT 23° F TAG CLOSED CUP

LEL 1.0

EXTINGUISHING MEDIA

EXCLUDE AIR - USE FOAM, CO2, STEAM, WATER FOG, DRY CHEMICALS.

DO NOT USE WATER.

JNUSUAL FIRE AND EXPLOSION HAZARDS

VAPOR FORMS EXPLOSIVE MIXTURE WITH AIR BETWEEN

UPPER AND LOWER EXPLOSION LIMITS.

PECIAL FIRE FIGHTING PROCEDURES

DO NOT USE WATER, EXCLUDE AIR, USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL.

Section V — HEALTH HAZARD DATA
THRESHOLDLIMIT VALUE: See Section II EFFECTS OF OVEREXPOSURE: Headache, nausea, dizziness. Breathing vapor will be irritating to nose, throat and eyes.
Emergency and first aid procedures: Skin Exposure: Wash affected area with soap and water.
Eye Exposure; Flush with water for at least 15 minutes, consult physician. Ingestion: Consult physician immediately.
Inhalation: Remove victim to fresh air, consult physician.
•
Section VI — REACTIVITY DATA
STABILITY UNSTABLE XXX STABLE CONDITIONS TO AVOID: Storage at high temperatures. Incompatability(Materials to avoid): Strong oxidizing agents, Inorganic acids Sparks & Open
Hazardous Decomposition Products: On combustion CO, CO ₂ , Oxides of nitrogen.
HAZARDOUS POLYMERIZATION MAY OCCUR XXX WILL NOT OCCUR CONDITIONS TO AVOID
Section VII — SPILL OR LEAK PROCEDURES
area . Prevent liquid from entering sewers, water sources of ignition and clear tumes from personnel away. Shut off source, if possible to do so without hazard. Keep unnecessary sawdust or oil absorbing compound. Wash area with detergent & water.
Consult disposal expert and ensure conformity with local regulations.
Section VIII — SPECIAL PROTECTION INFORMATION
RESPIRATORY PROTECTION: Use approved respiratory protection such as an air-supplied mask if used in non-ventilated area.
Mechanical: Explosion-proof ventilation equipment. No smoking or open lights.
VENTILATION: Face velocity > 60 fpm in confined area.
Protective Gloves: Chemically resistant gloves. YE PROTECTION: Chemical splash goggles or face shield
THER PROTECTIVE EQUIPMENT: Eve bath & safety shower

Section IX — SPECIAL PRECAUTIONS

tightly closed containers. Do Not handle or store near flame, heat or strong exidents. Adequate ventilation required. Containers of this product may be hazardous when emptied these containers of the product may be hazardous when emptied these containers of the product may be hazardous when emptied these containers of the precautions.

All handling equipment should be electrically grounded. Treat as a very flammable liquid.

FOR COATINGS, RESINS AND RELATED MATERIALS

DATE OF PREP JULY 1983	(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)								
Section I									
MANUFACTURER'S NAME BOSTIK W	EST/DIVIS	ION OF USM CO	ORPORATION,	EMHART					
STREET ADDRESS 20846 SOUTH	NORMANDI	E AVENUE CITY	, STATE, AND ZIP	CODE TORR	ANCE, CALIFO	ORNIA 90	0502		
EMERGENCY TELEPHONE NO. (2	13) 320-	6800							
LI ONI	ASE 41 LT, BE	IGE SEMI-GLOS	_	FACTURERS CO	DE IDENTIFICATIO	_N 453-3-1	113		
TRADENAME BOSTIK			-		3 parts 45	3-3-113 4-118 by	(base)		
	Sec	tion II — HAZ	ARDOUS	INGREDII		as uy			
INGREDIENT 453-3-113 (BASI	E ONLY)	CAS NO.	PERCENT (WT.)	PPM	TLV mg/M³	LEL	VAPOR PRESSURE		
METHYL ETHYL KETONE CELLOSOLVE ACETATE BUTYL ACETATE BUTYL CELLOSOLVE XYLENE TOLUENE BUTYL ALCOHOL		78-93-3 111-15-9 123-86-4 111-76-2 1330-20-7 108-88-3 71-36-3	20-25 5-10 \$5 \$5 \$5 \$5 \$1	200 100 150 50 100 200 100		1.8 1.7 1.7 1.1 1.0 1.2	70 2 8 1 7 22 4		
		<i>#</i>		·					
		Section III -	- PHYSICA	AL DATA					
BOILING RANGE 176° to 340°	F		VAPOR DE	NSITY XX	HEAVIER	LIGHTER.	THAN AIR		
EVAPORATION RATE FASTER	XX SLOWER.	THAN ETHER E	PERCENT VOLATI	64,3%	WEIGHT PER GALLON	10.2 16	os		
	Section I\	/ - FIRE AN	D EXPLOS	ION HAZ	ARD DATA				
DOTCATEGORY RED LABEL, FL	AMMABLE		(MTN. Flash poi) мт 23° F Т	TAG CLOSED C	UP	LEL 1,0		
EXTINGUISHING MEDIA EXCLUDE DO NOT	AIR - USI USE WATER	E FOAM, CO ₂ ,	STEAM, WAI	ER FOG, DI	RY CHEMICALS	5 .			
JNUSUAL FIRE AND EXPLOSION HAZARD	AVI OI	FORMS EXPLOS AND LOWER EX			R BETWEEN				
SPECIAL FIRE FIGHTING PROCEDURES	DO NO	ቦ 11 ና ድ W ልጥድው	באריווטבי אד	D HEE LINE	TED CDDAV TY	,			

COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL.

Section V — HEALTH HAZARD DATA
THRESHOLD LIMIT VALUE: See Section II EFFECTS OF OVEREXPOSURE: Headache, nausea, dizziness. Breathing vapor will be irritating to nose throat and eyes.
Emergency and first aid procedures: Skin Exposure: Wash affected area with soap and water. Eye Exposure; Flush with water for at least 15 minutes, consult physician.
Ingestion: Consult physician immediately.
<u>Inhalation</u> : Remove victim to fresh air, consult physician.
Section VI — REACTIVITY DATA
stability Unstable XXXkstable conditions to avoid: Storage at high temperatures. Incompatability(Materials to avoid): Strong oxidizing agents, Inorganic acids Sparks & Open
Hazardous Decomposition Products: On combustion CO, CO ₂ , Oxides of nitrogen.
MAZARDOUS POLYMERIZATION MAY OCCUR XXX WILL NOT OCCUR CONDITIONS TO AVOID
Section VII — SPILL OR LEAK PROCEDURES
area. Prevent liquid from entering sewers, water sources of ignition and clear fumes from personnel away. Shut off source, if possible to do so without hazard. Contain spilled liquid waste Disposal METHOD Consult disposal expent and area with detergent & water.
Consult disposal expert and ensure conformity with local regulations.
Section VIII — SPECIAL PROTECTION INFORMATION
respiratory protection: Use approved respiratory protection such as an air-supplied mask if used in non-ventilated area.
Mechanical: Explosion-proof ventilation equipment. No smoking or open lights.

Face velocity > 60 fpm in confined area.

Protective Gloves: Chemically resistant gloves.
EYE PROTECTION: Chemical splash goggles or face shield OTHER PROTECTIVE EQUIPMENT: Eye bath & safety shower.

Section IX — SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING . tightly closed containers. Do Not handle or store near flame, heat or strong oxidants. Adequate retain product residues (Vapor, liquid, etc).

All handling equipment should be electrically grounded. Treat as a very flammable liquid.

FOR COATINGS, RESINS AND RELATED MATERIALS

DATE OF PREP

PECIAL FIRE FIGHTING PROCEDURES

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-201

JULY 1983		o by o.o. Department	OI LEDOI ESSONIII	iny Similar to For				
			Section I					
MANUFACTURER'S NAME BOSTIK WE	ST/DIVIS	ION OF USM CO	ORPORATION,	EMHART				
STREET ADDRESS 20846 SOUTH	NORMANDI	E AVENUE CITY	, STATE, AND ZIP	CODE TORR	ANCE, CALIFO	ORNIA 90)502	
EMERGENCY TELEPHONE NO. (21		6800						
PRODUCT CLASS EPOXY &AS			MANU	FACTURERS COI	DE IDENTIFICATIO	N 453-3-	218	
DPM 110-0136 SI	EMI GLOS	S WHITE	C	CATALYST: C NIX RATIO:	A-118 3 parts 453 1 part CA-	3-3-218 (base)	
	Sec	tion II — HAZ	ARDOUS	INGREDIE	NTS			
INGREDIENT 453-3-218 (BASE	ONLY)	CAS NO.	PERCENT (WT.)	PPM	LV mg/M³	LEL	VAPOR PRESSURE	
METHYL ETHYL KETONE		78-93-3	15-20	200		1.8	70	
BUTYL ACETATE		123-86-4	< 5	150		1.7	8	
TOLUENE		108-88-3	< 5	200		1.2	22	
XYLENE		1330-20-7	₹ 5	100	n 199	1.0	7	
CELLOSOLVE ACETATE		111-15-9	₹ 5	100	·	1.7	2	
BUTYL CELLOSOLVE		111-76-2	< 5	50		1.1	1	
BUTYL ALCOHOL		71-36-7	〈 ¹	100		1.7	4	
				·				
		Section III -	- PHYSIC	AL DATA				
BOILING RANGE 176° to 340° F			VAPOR DE	NSITY XX	HEAVIER	LIGHTER.	THAN AIR	
EVAPORATION RATE FASTER XX SLOWER, THAN ETHER PERCENT VOLATILE 63.9% WEIGHT PER GALLON 10.2 1bs								
S	ection I\	/ — FIRE AN	D EXPLOS	ION HAZA	ARD DATA			
DOTCATEGORY RED LABEL, FLAMM	MABLE		(MIN. Flash Poi	NT 23°F TA	G CLOSED CU	Р	LEL 1.0	
EXTINGUISHING MEDIA EXCLUDE A DO NOT US	AIR - USI SE WATER	E FOAM, CO ₂ ,	STEAM, WAT	TER FOG, DR	RY CHEMICALS	S.		
NUSUAL FIRE AND EXPLOSION HAZARDS VAPOR FORMS EXPLOSIVE MIXTURE WITH AIR BETWEEN UPPER AND LOWER EXPLOSION LIMITS.								

DO NOT USE WATER, EXCLUDE AIR, USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL.

BOE-C6-0208030

Section V — HEALTH HAZARD DATA
THRESHOLD LIMIT VALUE: See Section II EFFECTS OF OVEREXPOSURE: Headache, nausea, dizziness. Breathing vapor will be irritating to nose, throat and eyes.
Emergency and first aid procedures: Skin Exposure: Wash affected area with soap and water. Eye Exposure; Flush with water for at least 15 minutes, consult physician. Ingestion: Consult physician immediately. Inhalation: Remove victim to fresh air, consult physician.
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Section VI — REACTIVITY DATA
STABILITY UNSTABLE XXXKSTABLE CONDITIONS TO AVOID: Storage at high temperatures. Incompatability(Materials to avoid): Strong oxidizing agents, Inorganic acids Sparks & Open Hazardous Decomposition Products: On combustion CO, CO2, Oxides of nitrogen. HAZARDOUS POLYMERIZATION MAY OCCUR XXX WILL NOT OCCUR CONDITIONS TO AVOID
Section VII — SPILL OR LEAK PROCEDURES
steps to be taken in case material is released or spilled: Eliminate sources of ignition and clear tumes from area. Prevent liquid from entering sewers, water sources, or low areas. Keep unnecessary personnel away. Shut off source, if possible to do so without hazard. Contain spilled liquid wis sawdust or oil absorbing compound. Wash area with detergent & water. Consult disposal expert and ensure conformity with local regulations.
Section VIII — SPECIAL PROTECTION INFORMATION
RESPIRATORY PROTECTION: Use approved respiratory protection such as an air-supplied mask if used in non-ventilated area. Mechanical: Explosion-proof ventilation equipment. No smoking or open lights. VENTILATION: Face velocity > 60 fpm in confined area.

Protective Gloves: Chemically resistant gloves.
EYE PROTECTION: Chemical splash goggles or face shield

OTHER PROTECTIVE EQUIPMENT: Eye bath & safety shower.

Section IX — SPECIAL PRECAUTIONS

tightly closed containers. Do Not handle or store near flame, heat or strong oxidants. Adequate ventilation required. Containers of this product may be hazardous when emptied these containers of the product may be hazardous when emptied these containers of the product may be hazardous when emptied these containers of the product may be hazardous when emptied these containers of the product may be hazardous when emptied these containers of the product may be hazardous when emptied these containers of the product may be hazardous when emptied these containers of the product may be hazardous when emptied these containers of the product may be hazardous when emptied these containers of the product may be hazardous when emptied these containers of the product may be hazardous when emptied these containers of the product may be hazardous when emptied these containers of the product may be hazardous when emptied these containers of the product may be hazardous when emptied these containers of the product may be hazardous when emptied these containers of the product may be hazardous when emptied these containers of the product may be hazardous when emptied these containers of the product may be hazardous when emptied these containers of the product may be hazardous when emptied the product may be approximated the produ

All handling equipment should be electrically grounded. Treat as a very flammable liquid.

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor "Essentially Similar" to Form QSHA-2Q

DATE OF PREP

JULY 1983

Section I

MANUFACTURER'S NAME BOSTIK WEST/DIVISION OF USM CORPORATION/EMHART

STREET ADDRESS 20846 SOUTH NORMANDIE AVENUE CITY, STATE, AND ZIP CODE TORRANCE, CALI

EMERGENCY TELEPHONE NO.

(213) 320-6800

EPOXY

DPM-110-0131 SEMI GLOSS WHITE

TRADE NAME BOSTIK

MANUFACTURERS CODE IDENTIFICATION 453-3-162

CATALYST: CA-118

MIX RATIO: 3 parts 453-3-16 (base)

to 1 part CA-118 by volume

Section II — HAZARDOUS INGREDIENTS

INGREDIENT 453-3-162 (BASE ONLY)	CAS NO.	PERCENT (WT.)	T PPM	LV mg/M³	LEL	VAPOR PRESSURE
METHYL ETHYL KETONE N. BUTYL ACETATE TOLUENE XYLENE CELLOSOLVE ACETATE BUTYL CELLOSOLVE N. BUTYL ALCOHOL CHROMIUM COMPOUNDS AS: Crowners Ph Lead	78-93-3 123-86-4 108-88-3 1330-20-7 111-15-9 111-76-2 71-36-3 7440-47-3 7439-92-1	15-20 < 5 < 5 < 5 < 5 < 1 < 0.01 < 0.01	200 150 200 100 100 50 100	*0.05 *0.05	1.8 1.7 1.2 1.0 1.7 1.1 1.7	70 8 22 7 2 1 4
*8 HRS TWA; OSHA						

	Section	: 	PHY	SIC	ΔI	DATA
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BOILING RANGE 176° - 340° F

VAPOR DENSITY

XX HEAVIER

LIGHTER, THAN AIR

FASTER

XX SLOWER, THAN ETHER

PERCENT VOLATILE

WEIGHT PER GALLON

10.2 lbs

Section IV — FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY RED LABEL, FLAMMABLE

(MIN.)
FLASH POINT 23° F TAG CLOSED CUP

1.0 LEL

EXTINGUISHING MEDIA

EXCLUDE AIR - USE FOAM, CO2, STEAM, WATER FOG, DRY CHEMICALS.

DO NOT USE WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS

VAPOR FORMS EXPLOSIVE MIXTURE WITH AIR BETWEEN

UPPER AND LOWER EXPLOSION LIMITS.

SPECIAL FIRE FIGHTING PROCEDURES

DO NOT USE WATER, EXCLUDE AIR, USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL.

Section V — HEALTH HAZARD DATA
THRESHOLD LIMIT VALUE : See Section II
EFFECTS OF OVEREXPOSURE: Headache, nausea, dizziness. Breathing vapor will be irritating to nose, throat and eyes.
Emergency and first aid procedures: Skin Exposure: Wash affected area with soap & water.
Eye Exposure; Flush with water for at least 15 minutes, consult physician.
Ingestion: Consult physician immediately.
Inhalation: Remove victim to fresh air, consult physician.
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Section VI — REACTIVITY DATA
STABILITY UNSTABLE XXX STABLE CONDITIONS TO AVOID: Storage at high temperatures.
Incompatability(Materials to avoid): Strong oxidizing agents. Sparks and open flame.
Hazardous Decomposition Products: On combustion CO, CO ₂ , Aldehydes and other organics, lead fumes oxides of nitrogen.
HAZARDOUS POLYMERIZATION MAY OCCUR XXX WILL NOT OCCUR CONDITIONS TO AVOID
Section VII — SPILL OR LEAK PROCEDURES
Prevent liquid from entering sewers, water sources, or low areas. Keep unnecessary personnel away. Shut off source, if possible to do so without hazard. Contain spilled liquid with sawdust, sand or oil absorbing compound. Wash area with detergent & water.
Consult disposal expert & ensure conformity with local regulations.
Section VIII — SPECIAL PROTECTION INFORMATION
RESPIRATORY PROTECTION: Use approved respiratory protection such as an air-supplied mask if used in non-ventilated area.
Mechanical: Explosion-proof ventilation equipment. No smoking or open lights.
ventilation : Face velocity 60 fpm in confined area.
Protective gloves: Chemically resistant gloves. EYE PROTECTION: Chemical splash goggles or face shield. OTHER PROTECTIVE EQUIPMENT: Eye bath & safety shower.
Section IX — SPECIAL PRECAUTIONS
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING . Keep containing alocal when met in the state of the state o
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING. Keep containers closed when not in use. Do Not handle or store near flame, heat or strong oxidants. Adequate ventilation required. Containers of this product may be hazardous when emptied - these containers retain product residues (vapor, liquid, etc.)
All handling equipment should be electrically grounded. Treat as a very flammable liquid.